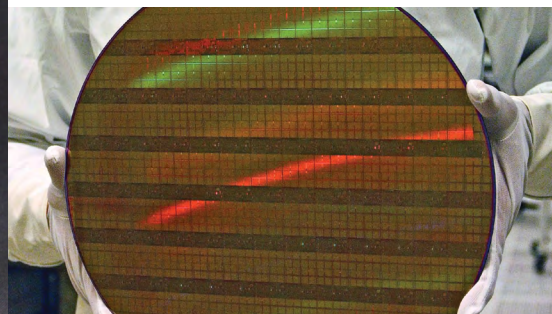




Furon® Static Mixer

Efficient Mixing of Liquid Media with No Moving Parts

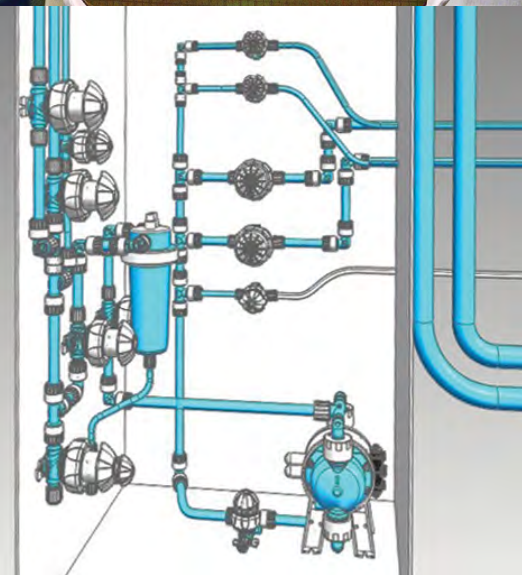
Description

Furon® Static Mixer offer an efficient means of mixing two or more chemistries with minimal pressure loss. Its compact, inline design allows for easy installation inot exisiting pipelines. Internal mixing components are removable, allowing easy maintenance and cleaning. Outlet end connection types and sizes can be easily changed to accommodate a variety of piping configurations. All components are constructed of 100% virgin fluoro-polymer making it ideal for use with both ultra-pure and highly corrosive chemistries. They are also by construction metal free and Oring free reducing potential contamination source.

Applications

The Furon® Static mixer by its simplicity and cleanliness is particularly well adapted in the following application:

- Blending catalyst, dye or additive into a liquid media
- Mixing of Chemical in the Semiconductor and Photovoltaic wet processes



Features and Benefits

- Molded from virgin premium high-purity PFA
- Ideally used with:
 - Versilon™ HP PFA Pipe
- Patent protected tongue and groove seal
- Oring free design
- Universal chemical resistance and compatibility
- High pressure capability
- Retains seal integrity over countless disassemblies/reassemblies
- No Dead space
- Available up to 2"

Furon® Static Mixer

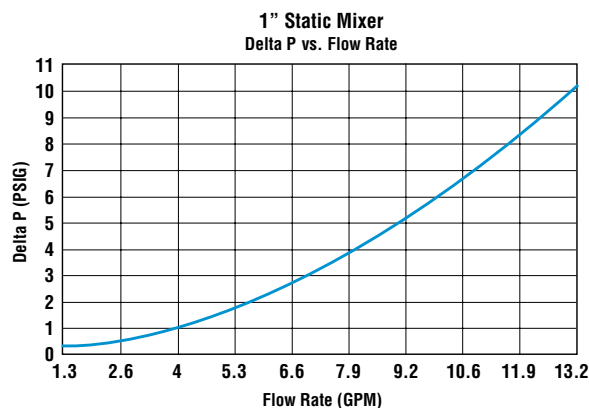
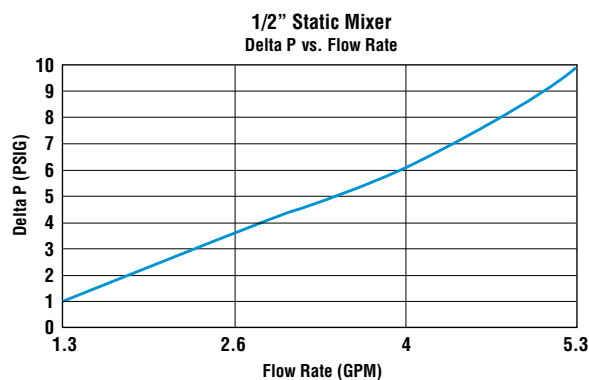
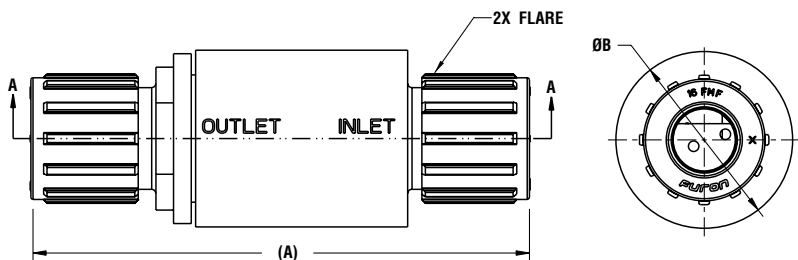
Part Number	End Connection	C _v	Max. Flow Rate	A (in.)	ØB (in.)
SM-F88-I	1/2" Flare	1.75	5.3 GPM (20 l/min)	5.40 (137.2mm)	1.50 (38.1mm)
SM-F1616-I	1" Flare	4.1	13.2 GPM (50 l/min)	7.02 (178.3mm)	2.60 (66.0mm)

Ordering & Technical Specifications

	1/2" Version	1" Version
Max. Flow Rate	5.3 GPM (20 l/min)	13.2 GPM (50 l/min)
Max. Pressure Drop	9.0 PSID @ 5.3 GPM (20 l/min)	10.0 PSID @ 13.2 GPM (50 l/min)
C _v Flow Factor	1.75	4.1
Media Operating Temperature	41°F to 212°F (5°C to 100°C)	41°F to 212°F (5°C to 100°C)
Media Operating Pressure	90 PSIG max. at room temp.	90 PSIG max. at room temp.
Materials	Body & Mixing Elements: High-Purity PTFE and Fluoroloy®-T Nuts: PVDF	

Options

Please contact us for specific configuration



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NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

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